

Preparation of 1- α -hydroxy vitamin D₅ from Stigmasterol

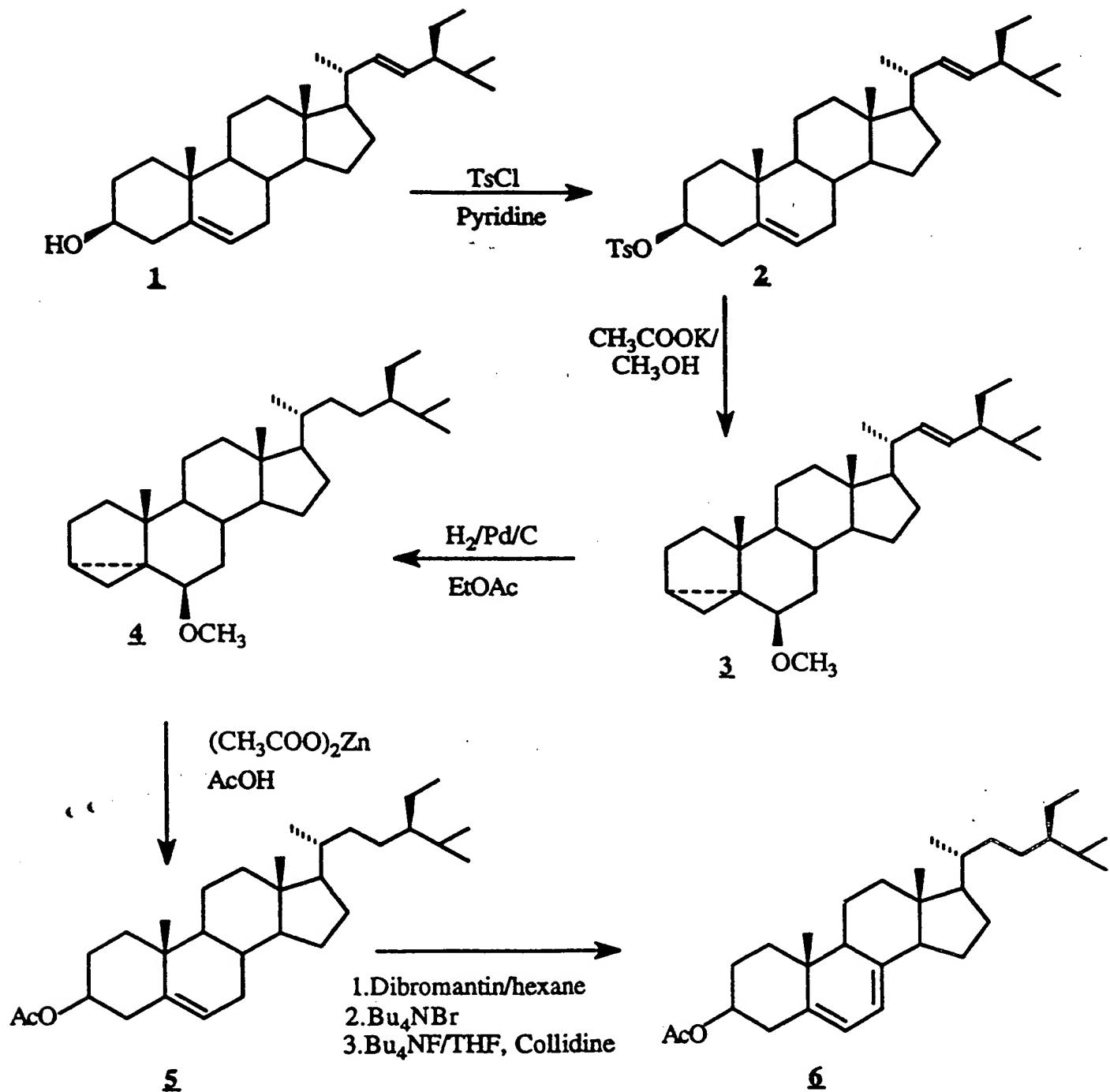


Figure 1

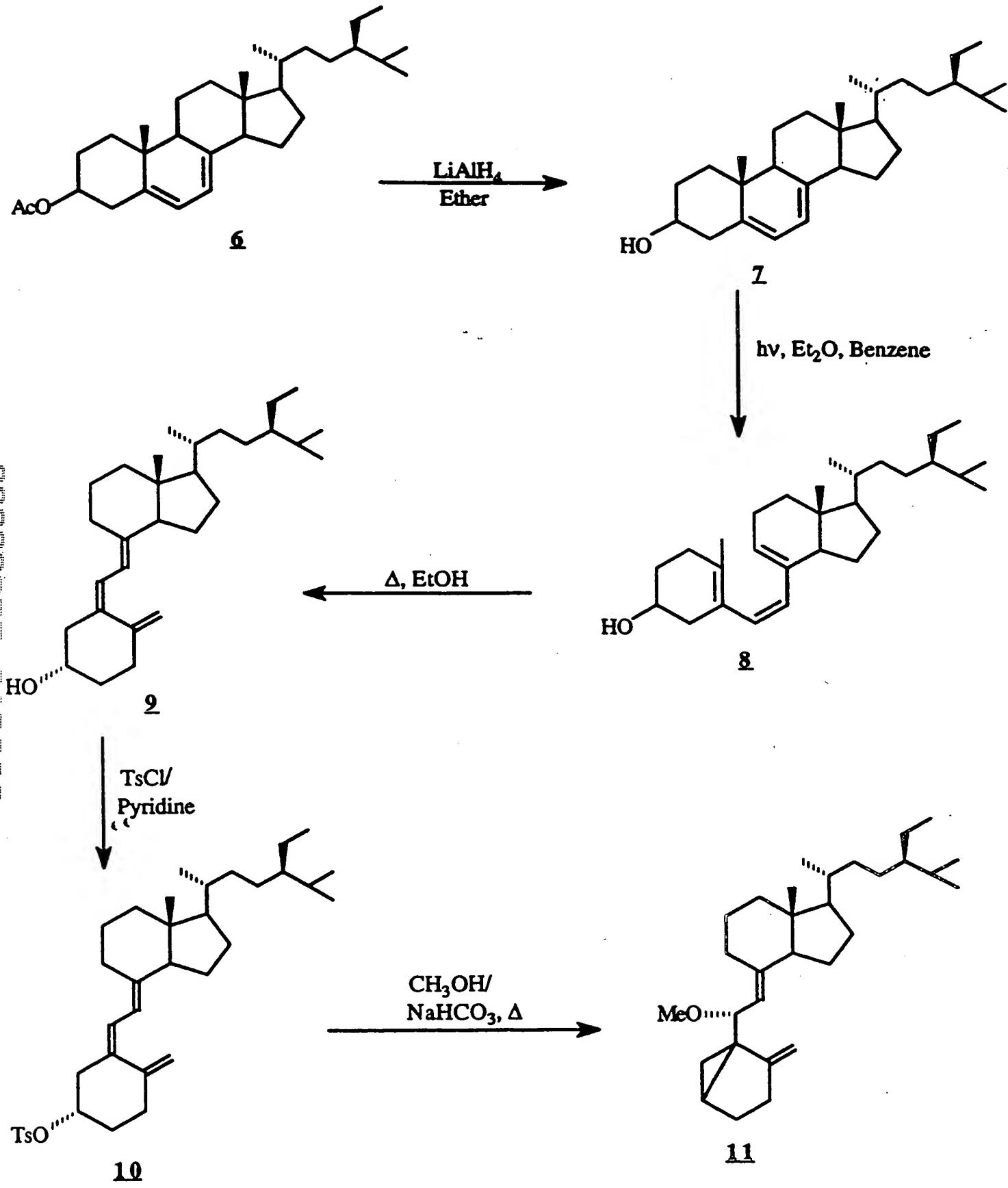


Figure 1 (cont.)

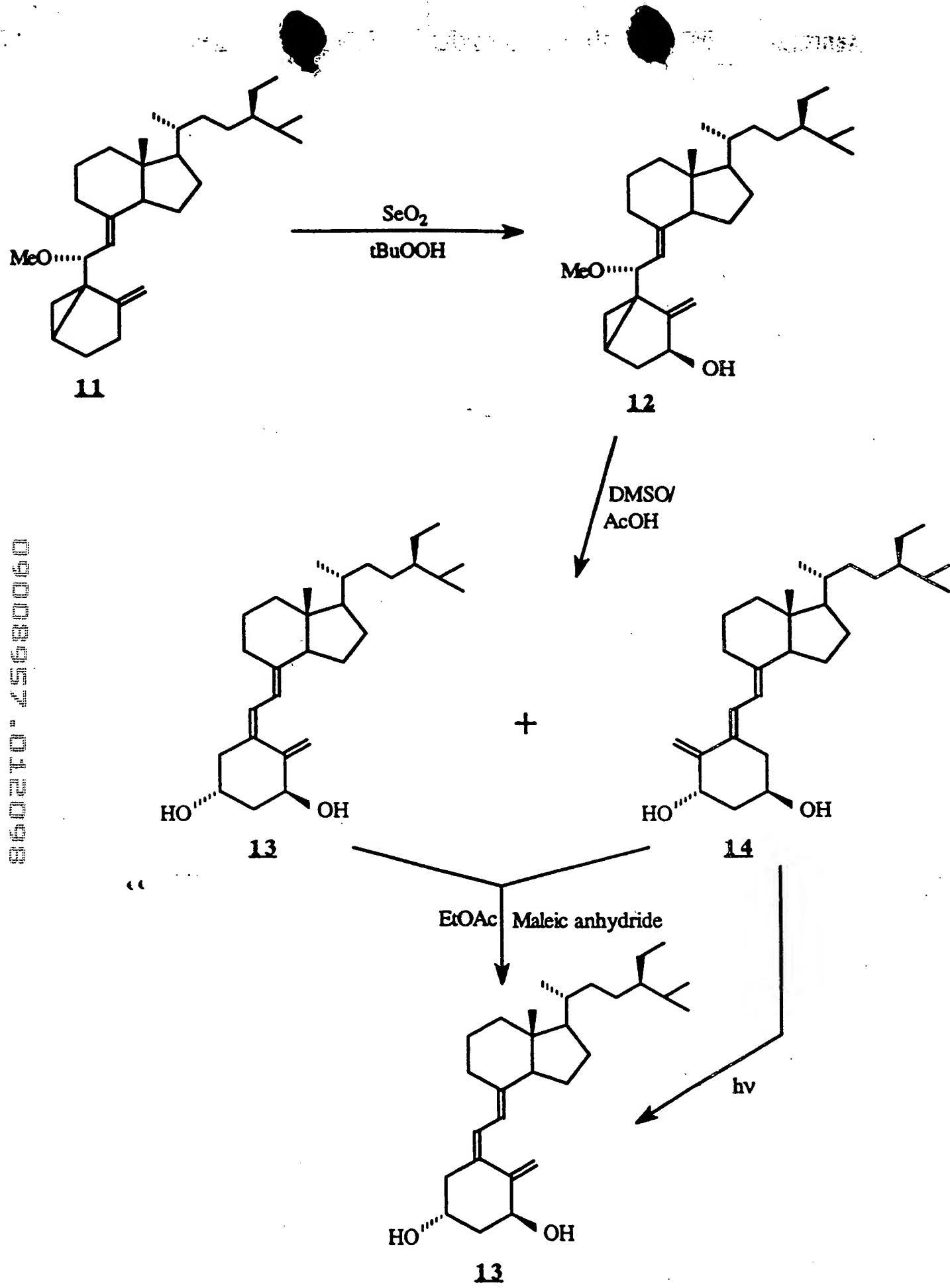
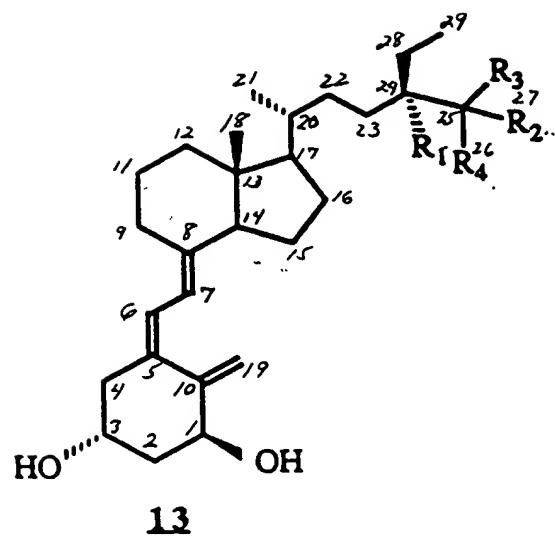


Figure 1 (cont.)

Figure 2



13: R1=H; R2=CH3; R3=CH3; R4=H

13a: $R_1 = H$; $R_2 = OH$; $R_3 = R_4 = CH_3$

13b: R₁ = OH; R₂ = H; R₃ = R₄ = CH₃

13c: $R_1 = OH; R_2 = OH; R_3 = R_4 = CH_3$

13d: R₁ = H; R₂ = OH; R₃ = R₄ = CF₃

13e: $R_1 = H$; $R_2 = H$; $R_3 = CH_2OH$; $R_4 = CH_3$